

CLAIMS

1. A device adapted to communicate with an audio mux, the audio mux receiving a vocoder input from a vocoder and an audio decoder input from an audio decoder, the device comprising:
 - a stereo/mono control unit coupled to a codec;
 - the stereo/mono control unit receiving an audio mux input from the audio mux, the stereo/mono control unit providing a control output to the codec to reduce power consumption in the codec.
2. The device of claim 1 wherein the control output is coupled to a plurality of components in a receive audio processing path of the codec.
3. The device of claim 2 wherein the plurality of components are in a right channel of the receive audio processing path.
4. The device of claim 2 wherein the plurality of components are in a left channel of the receive audio processing path.
5. The device of claim 2 wherein the control output disables at least one of the plurality of components to reduce power consumption in the receive audio processing path of the codec.
6. The device of claim 2 wherein the plurality of components comprise a receive gain, a receive filter, a digital-to-analog converter, a left/right selector, and a headset amp.
7. The device of claim 6 wherein the control output disables at least one of the plurality of components to reduce power consumption in the receive audio processing path of the codec.

8. The device of claim 1 wherein the control output disables at least one of a plurality of components in a receive audio processing path of the codec when the audio mux input received by the stereo/mono control unit comprises voice signals.

9. The device of claim 8 wherein the plurality of components comprise a receive gain, a receive filter, a digital-to-analog converter, a left/right selector, and a headset amp.

10. The device of claim 1 wherein the stereo/mono control unit further receives a plug-in detection input from a plug-in detection circuit.

11. The device of claim 10 wherein the plug-in detection circuit receives an I/O input from an I/O jack.

12. A method for processing received audio signals in a device, the method comprising:

disabling a first channel in a receive audio processing path and enabling a second channel in the receive audio processing path when the audio signals comprise voice signals; and

enabling the first channel in the receive audio processing path and enabling the second channel in the receive audio processing path when the audio signals comprise music signals.

13. The method of claim 12 wherein the disabling of the first channel is performed by a stereo/mono control unit.

14. The method of claim 13 wherein the disabling of the first channel is performed by the control output of the stereo/mono control unit disabling at least one of a plurality of components in the first channel.

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15. The method of claim 14 wherein the plurality of components comprise a receive gain, a receive filter, a digital-to-analog converter, a left/right selector, and a headset amp.

16. The method of claim 12 wherein the first channel is a right channel in the receive audio processing path and wherein the second channel is a left channel in the receive audio processing path.

17. The method of claim 12 wherein the first channel is a left channel in the receive audio processing path and wherein the second channel is a right channel in the receive audio processing path.

18. The method of claim 13 wherein the device comprises a vocoder and an audio decoder, wherein the vocoder provides the voice signals to an audio mux, and wherein the audio decoder provides the music signals to the audio mux.

19. The method of claim 18 wherein the stereo/mono control unit receives the audio signals from the audio mux.

20. The method of claim 12 further comprising determining whether a stereo output component is coupled to the device.

21. The method of claim 20 further comprising disabling the first channel when the stereo output component is not coupled to the device.

[illegible]